**1.1 Integration with ChatGPT:**

1. Register for a chatgpt account at OpenAI.

* Visit OpenAI official <https://chat.openai.com/>
* Create a free account (phone number and email required)

1. Generate an API key for the OpenAI API

* Once you have an account, login by using appropriate credentials.
* Click the “View API Keys” button in the top-right corner of the page.
* Click the “Create an API Key” button to generate a new API key.
* We will later use the generated API key in our code

1. Download OpenApi Library

* Inside your terminal\Shell write

>> pip install --upgrade openai

* Wait for openai to download.

1. Create Python code to connect with Chat GPT

* Create a new python file named app.py
* Import openai library

import openai

* Call the app key

openai.api\_key = os.getenv("OPENAI\_API\_KEY")

1. Generate the first request

completion = openai.ChatCompletion.create(

model="gpt-3.5-turbo",

             messages=[{"role": "user",  # user , assistant (chat) , system

             "content": " How old is the solar system? "

             }])

    #

1. Display the results

print(completion)

1. Run The Code

Wait for results to complete, It takes some time.

**1.2 Prompt Design:**

Efficient prompts are essential for driving the required output.

Our project constructs prompts in two manners, first is for generating chapter headers and sub headers. The second is for generating descriptive content and explanations.

**1.2.1** headers prompt

To generate chapter’s titles, subtitles and points we use the following prompt:

" ما هي عنواين الموضوعات المناسبة في كتيب عن " + user\_input + " ? "

**1.2.2** Content prompt

To generate contents, explanation and paragraphs we use the following prompt:

 " اشرح لي بالتفصيل كل شيء عن " + subject + " ? "

**1.3 Interface Design:**

**Our interface is simple and user friendly.**

**The following are screen shots of our app.**











